

Chr B1

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T, 0010

2025

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The diagram shows a steroid nucleus with a vinyl group at C-17 and a substituent X at C-14. The structure is labeled with 'Y¹' at C-3 and 'X' at C-14.

HO-antibody-spacer-(A²)_n

A¹ is a moiety having the formula:

T, 0011

$$\text{Y}^2 - \text{steroid} - \text{CH}_2 - \text{peptide} - \text{NHN} = \text{CH} -$$

A² is a moiety having the formula:

T, 0012

$$\text{y}^2\text{-steroid-CH}_2\text{-peptide-NHNH-}$$

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and, in particular, betulinol dimethyl ether. Methods for making and using these derivatives and conjugates, as well as a method for making and using betulonic aldehyde, are also disclosed.